

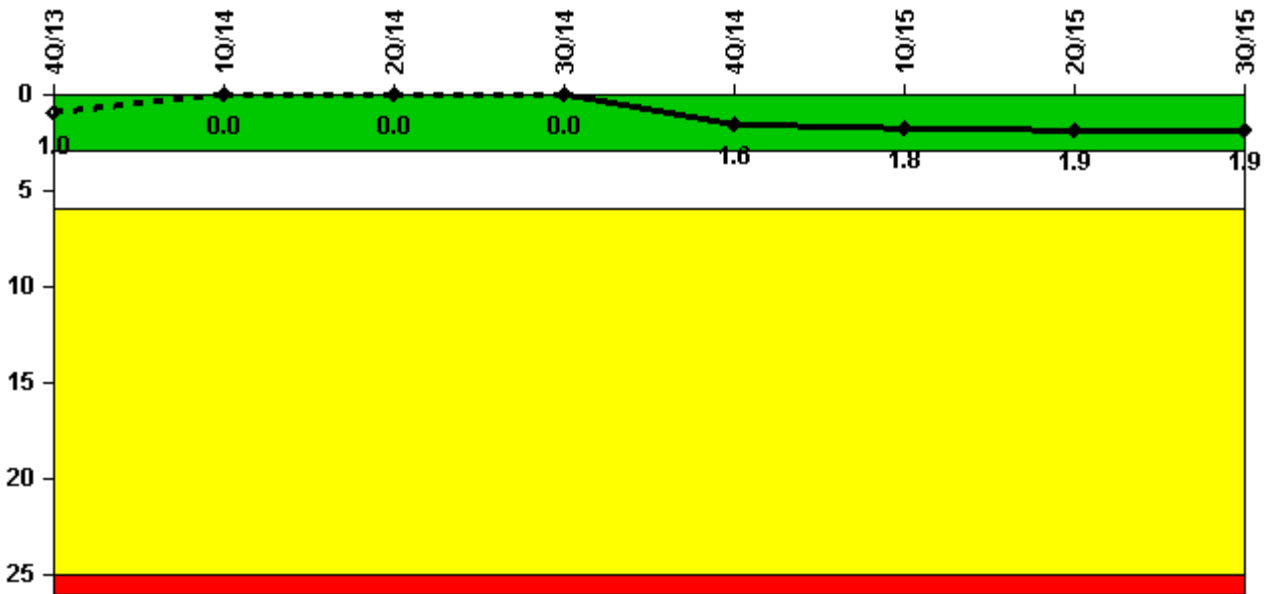
# Perry 1

## 3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



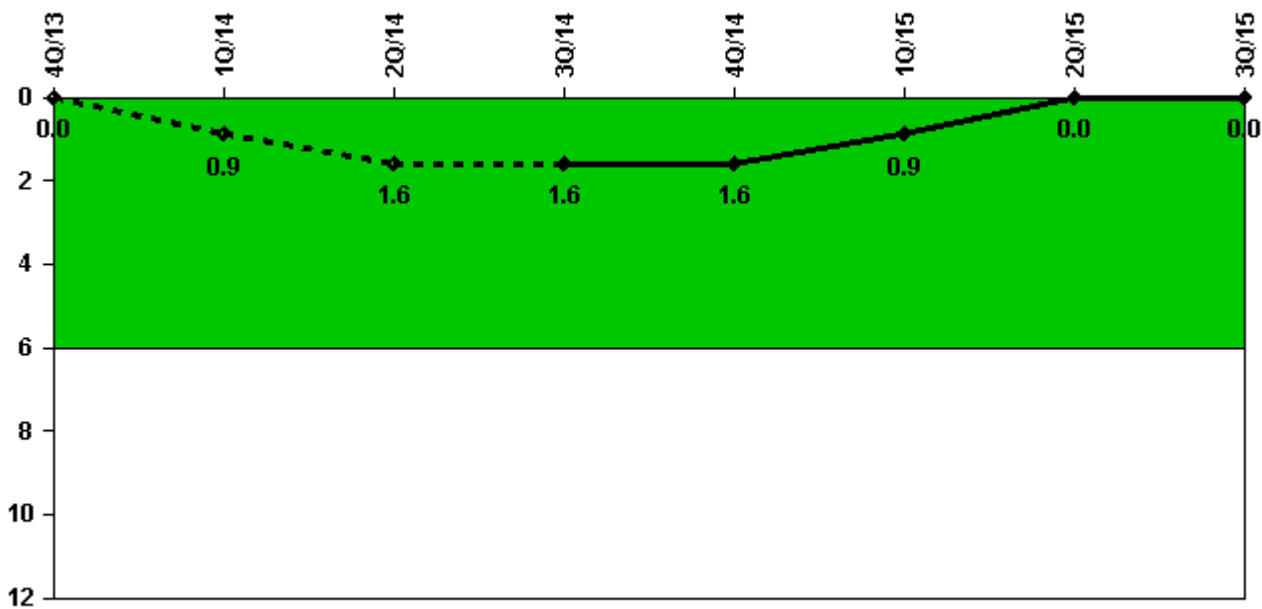
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0
Indicator value	1.0	0	0	0	1.6	1.8	1.9	1.9

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



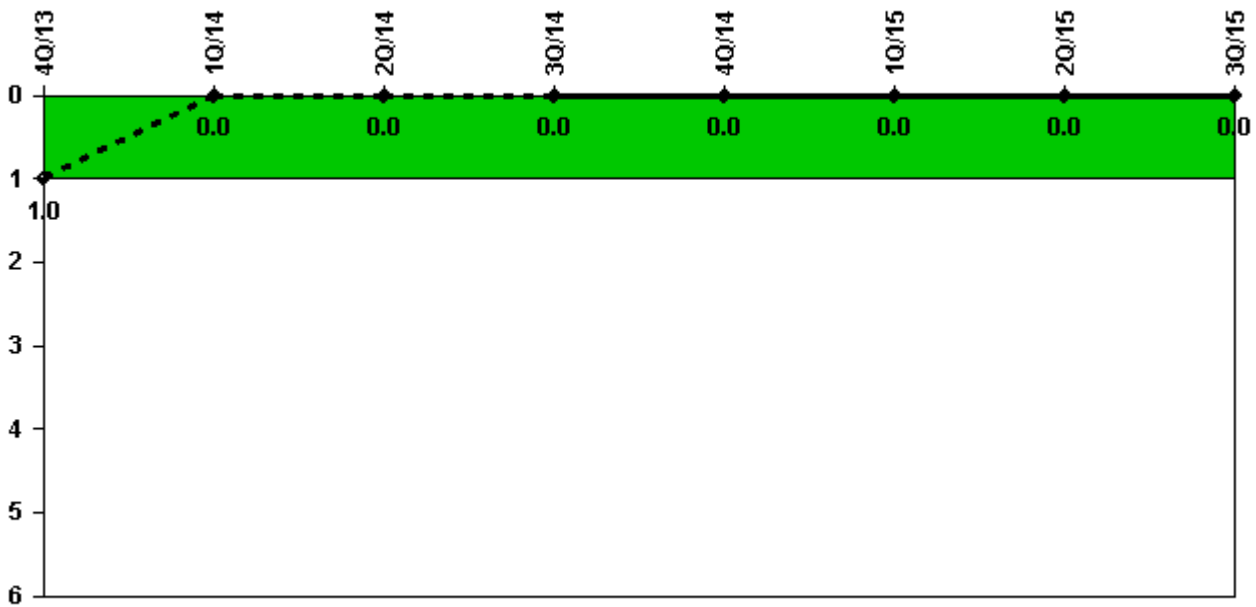
Thresholds: White > 6.0

#### Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1978.2	1607.7	1642.2	2208.0
<b>Indicator value</b>	<b>0</b>	<b>0.9</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>0.9</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### Unplanned Scrams with Complications



Thresholds: White > 1.0

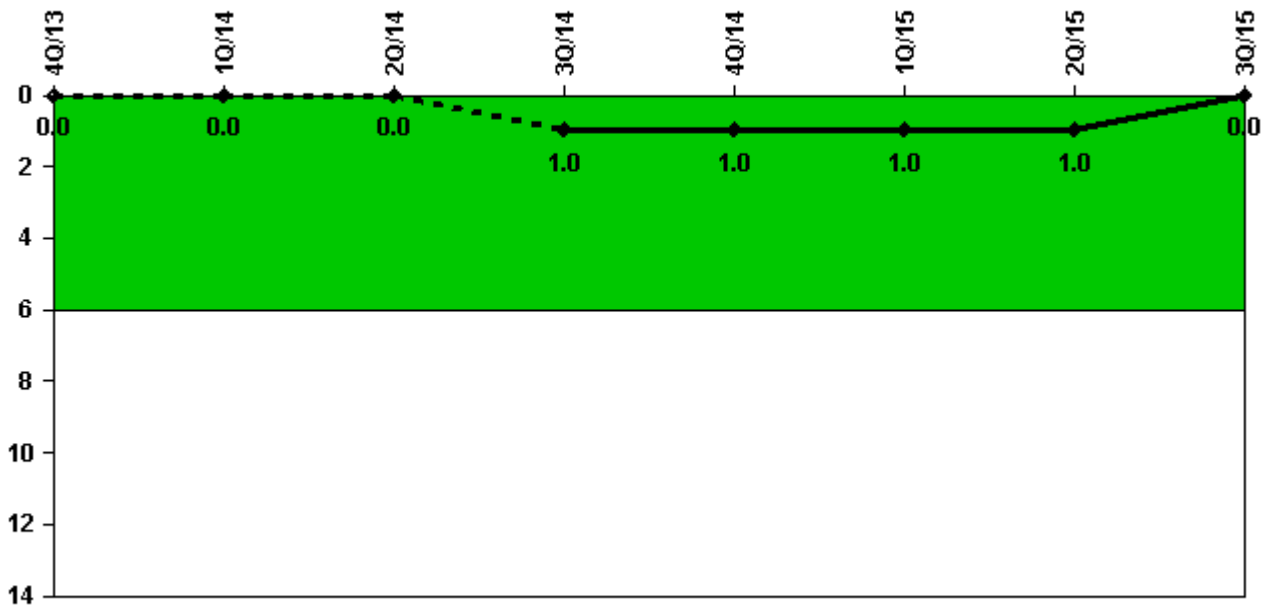
#### Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments:

4Q/14: FAQ being submitted for clarification of classification as an Unplanned SCRAM or an Unplanned SCRAM with Complications for the October 20, 2014 SCRAM.

### Safety System Functional Failures (BWR)



Thresholds: White > 6.0

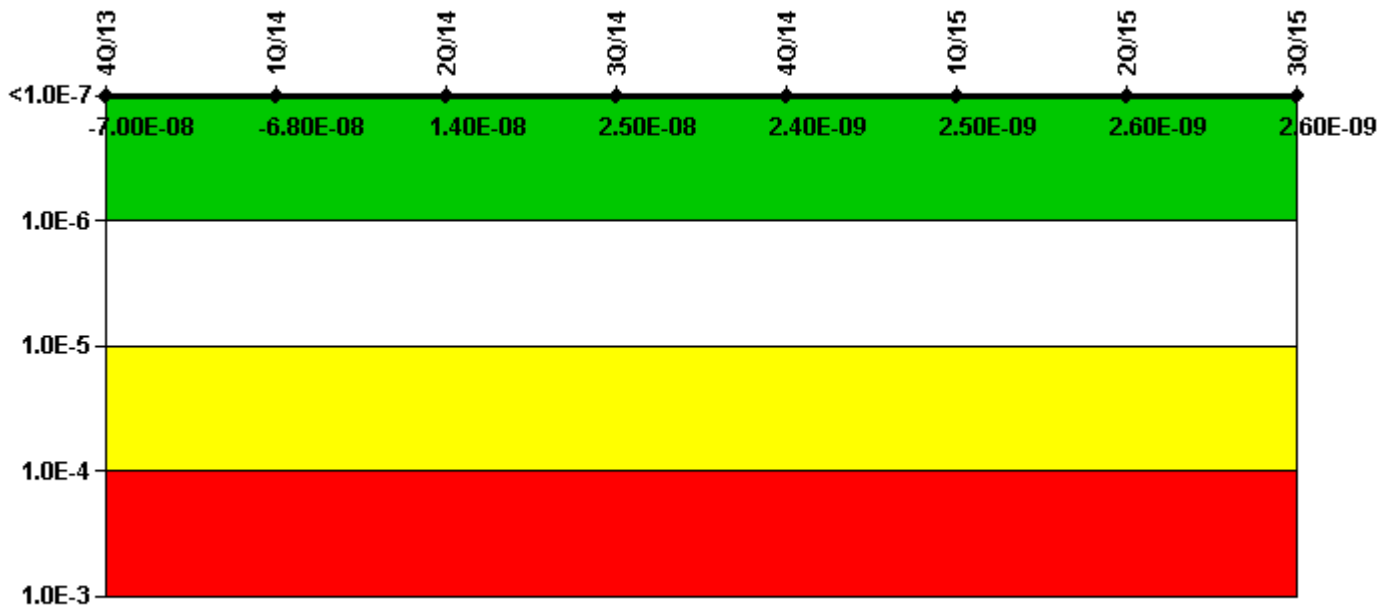
#### Notes

Safety System Functional Failures (BWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

Licensee Comments:

3Q/14: The PRA numbers were updated following the release of a new PRA model in April, 2014.

### Mitigating Systems Performance Index, Emergency AC Power System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	1.28E-08	1.53E-08	1.51E-08	1.89E-08	-3.76E-09	-3.66E-09	-3.58E-09	-3.58E-09
URI ( $\Delta$ CDF)	-8.30E-08	-8.30E-08	-1.51E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09	6.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.00E-08	-6.80E-08	1.40E-08	2.50E-08	2.40E-09	2.50E-09	2.60E-09	2.60E-09

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

### Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

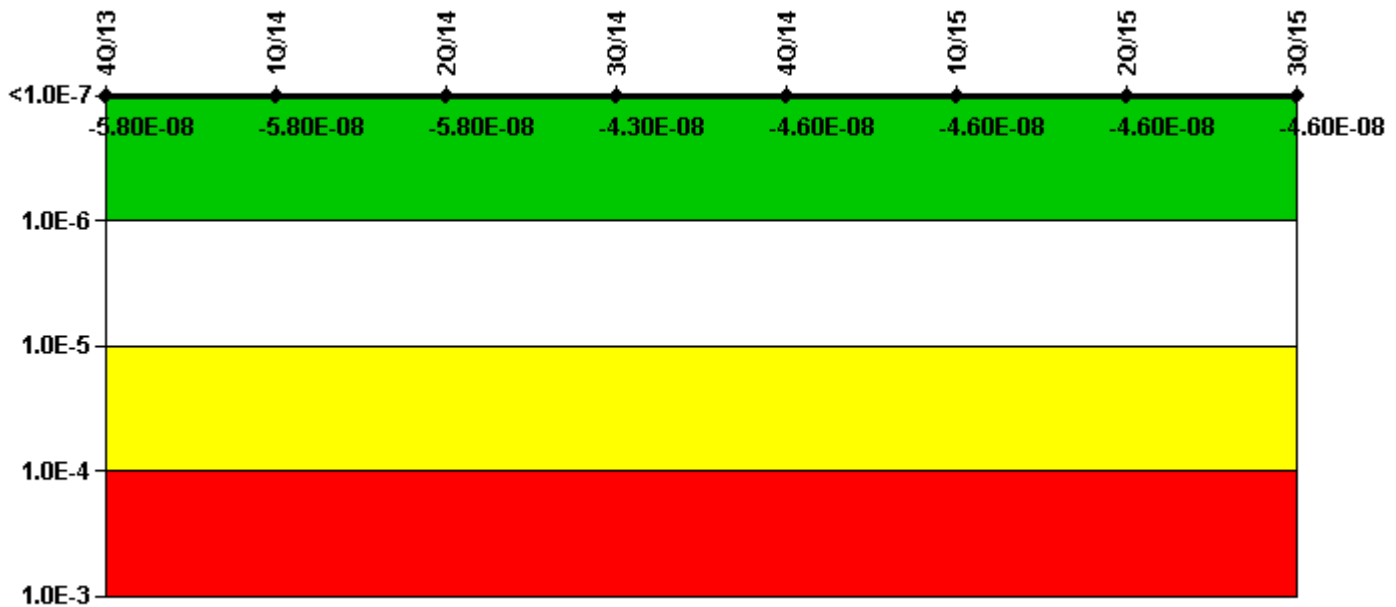
Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	2.29E-08	2.91E-08	2.71E-08	1.00E-07	9.17E-08	1.18E-07	2.07E-08	2.45E-08
URI ( $\Delta$ CDF)	-5.96E-08	-5.96E-08	-5.96E-08	-1.35E-07	-1.37E-07	-1.37E-07	-1.37E-07	-1.37E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.70E-08	-3.00E-08	-3.20E-08	-3.50E-08	-4.50E-08	-1.90E-08	-1.20E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

### Mitigating Systems Performance Index, Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-1.35E-08	-1.35E-08	-1.37E-08	-1.10E-08	-1.10E-08	-1.07E-08	-1.07E-08	-1.04E-08
URI ( $\Delta$ CDF)	-4.40E-08	-4.40E-08	-4.41E-08	-3.23E-08	-3.51E-08	-3.51E-08	-3.51E-08	-3.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.80E-08	-5.80E-08	-5.80E-08	-4.30E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08

Licensee Comments:

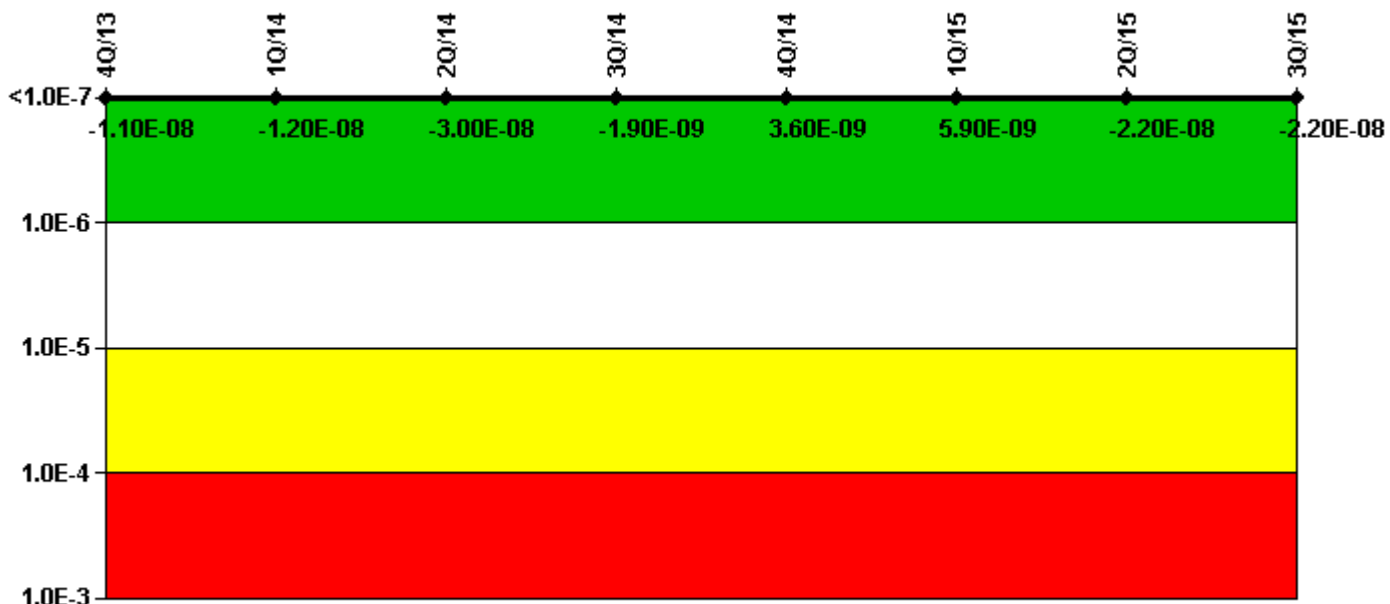
4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s).

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	6.70E-08	6.58E-08	4.80E-08	1.88E-08	2.42E-08	2.66E-08	-1.30E-09	-1.66E-09
URI ( $\Delta$ CDF)	-7.80E-08	-7.80E-08	-7.80E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08	-2.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.10E-08	-1.20E-08	-3.00E-08	-1.90E-09	3.60E-09	5.90E-09	-2.20E-08	-2.20E-08

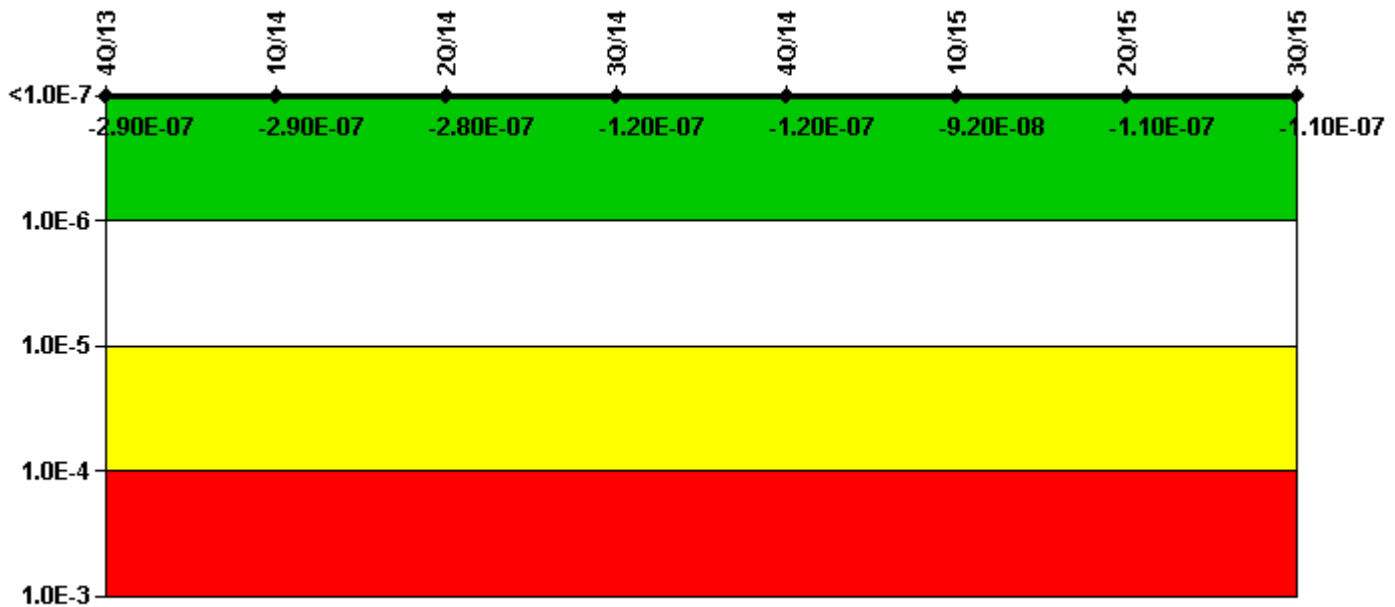
Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.



### Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

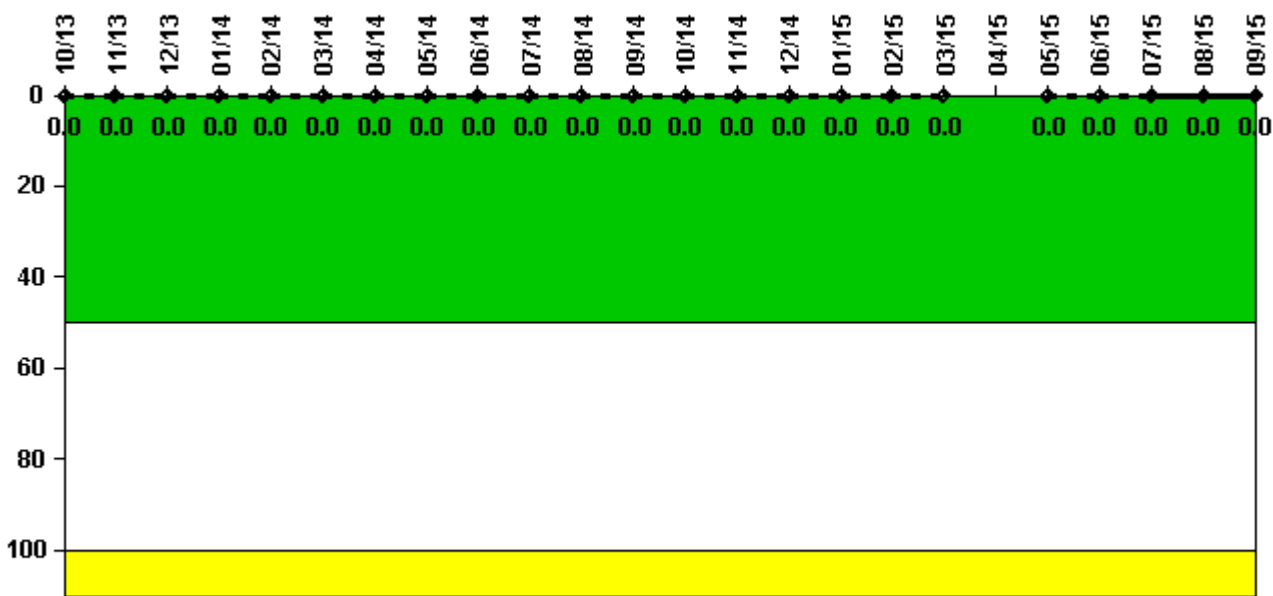
Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI ( $\Delta$ CDF)	-6.58E-08	-6.58E-08	-5.01E-08	-3.24E-08	-3.30E-08	-5.14E-09	-2.00E-08	-2.00E-08
URI ( $\Delta$ CDF)	-2.26E-07	-2.26E-07	-2.26E-07	-8.57E-08	-8.65E-08	-8.65E-08	-8.65E-08	-8.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-07	-2.90E-07	-2.80E-07	-1.20E-07	-1.20E-07	-9.20E-08	-1.10E-07	-1.10E-07

Licensee Comments:

4Q/14: Changed PRA Parameter(s).

3Q/14: Changed PRA Parameter(s). The PRA numbers were updated following the release of a new PRA model in April, 2014.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

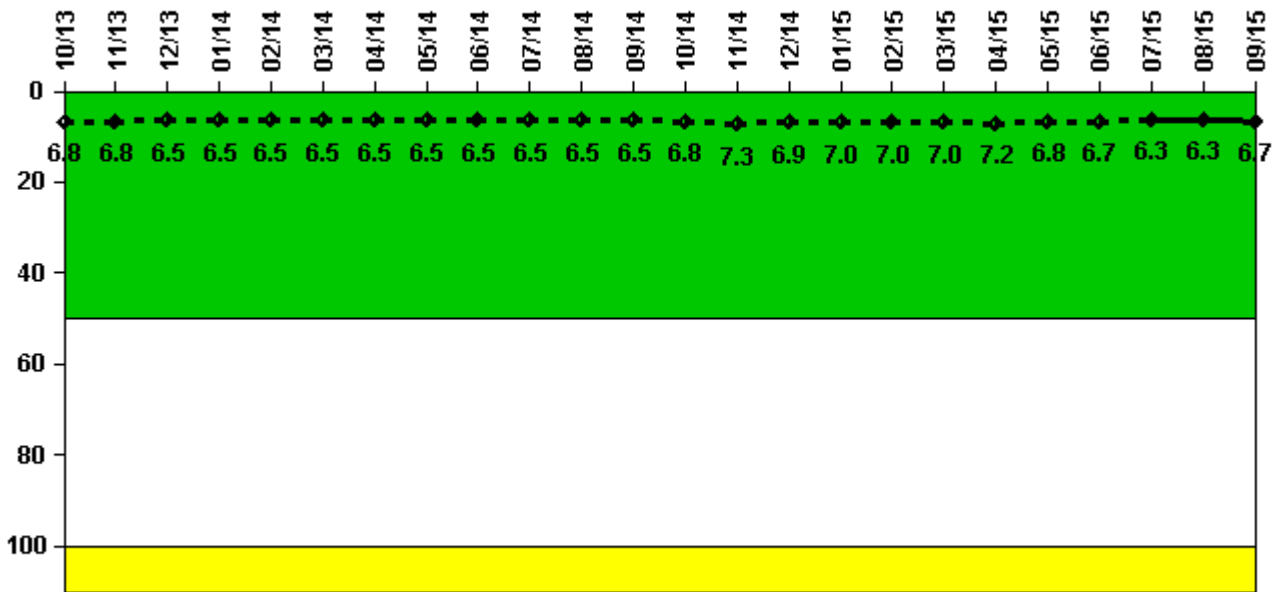
Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000017	0.000017	0.000025	0.000018	0.000019	0.000020	0.000017	0.000019	0.000033	0.000025	0.000023	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000044	0.000020	0.000026	0.000022	0.000020	0.000019	N/A	0.000023	0.000010	0.000012	0.000017	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	N/A	0	0	0	0	0

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

#### Notes

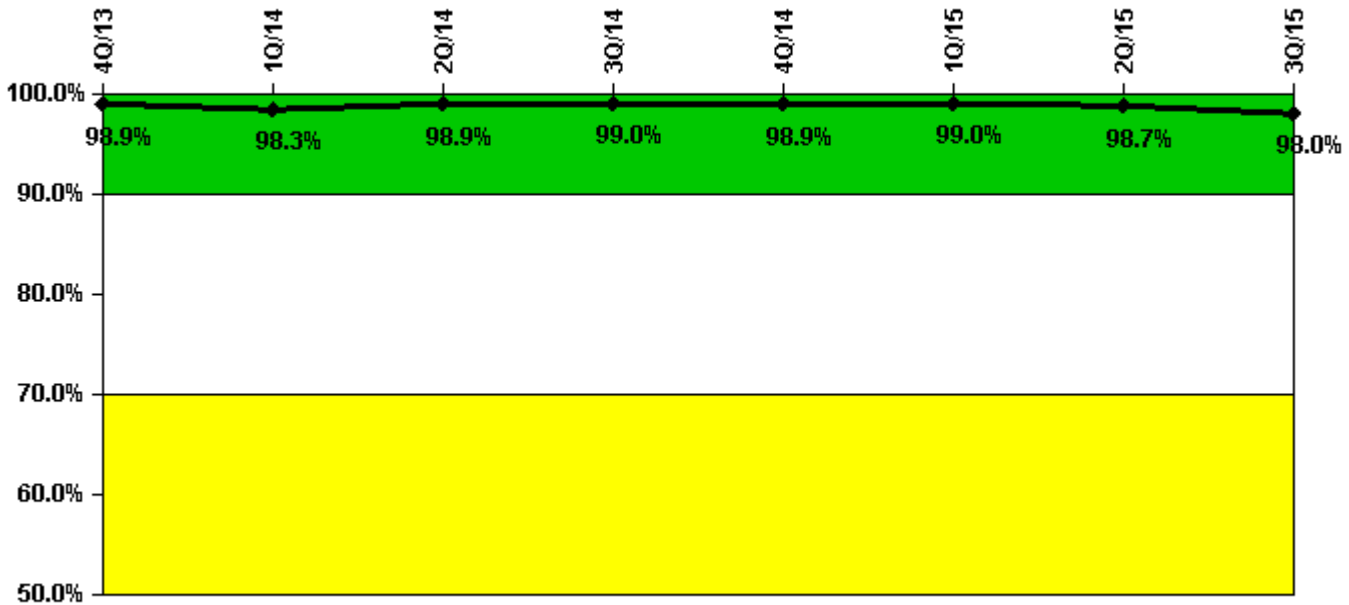
Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	2.050	2.050	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	6.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	2.030	2.200	2.080	2.100	2.100	2.100	2.160	2.050	2.000	1.900	1.900	2.000
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.8	7.3	6.9	7.0	7.0	7.0	7.2	6.8	6.7	6.3	6.3	6.7

Licensee Comments: none

### Drill/Exercise Performance



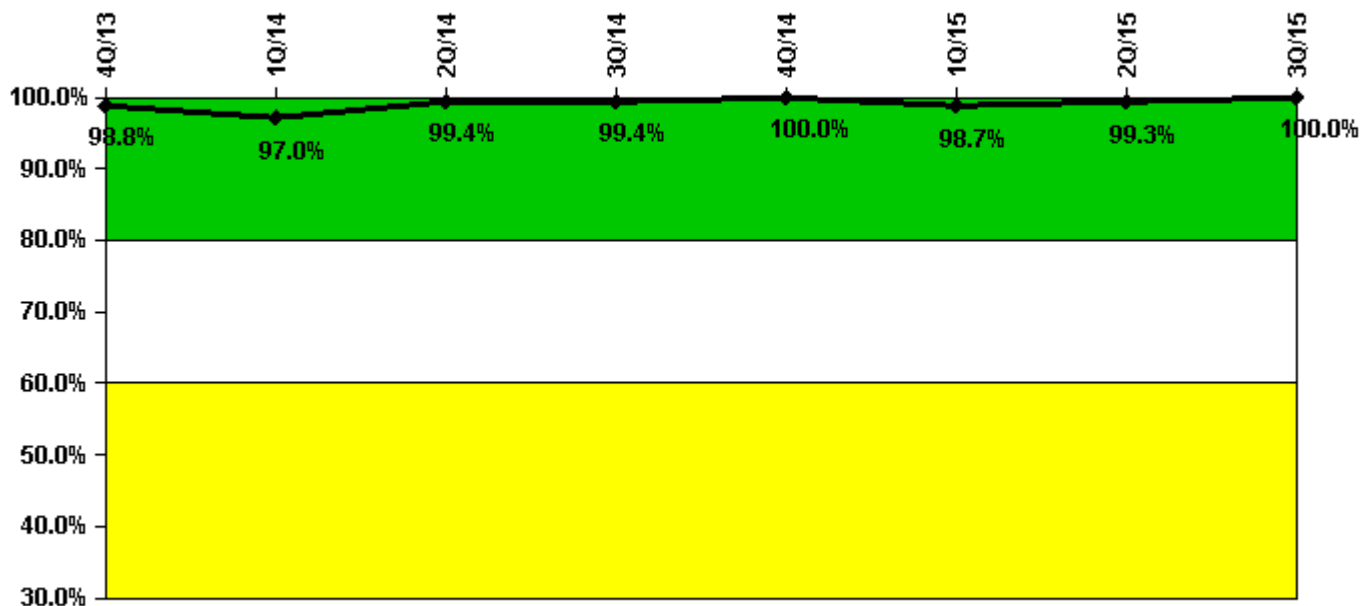
Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	20.0	46.0	36.0	28.0	10.0	22.0	39.0	48.0
Total opportunities	20.0	47.0	36.0	29.0	10.0	22.0	40.0	50.0
Indicator value	98.9%	98.3%	98.9%	99.0%	98.9%	99.0%	98.7%	98.0%

Licensee Comments: none

### ERO Drill Participation



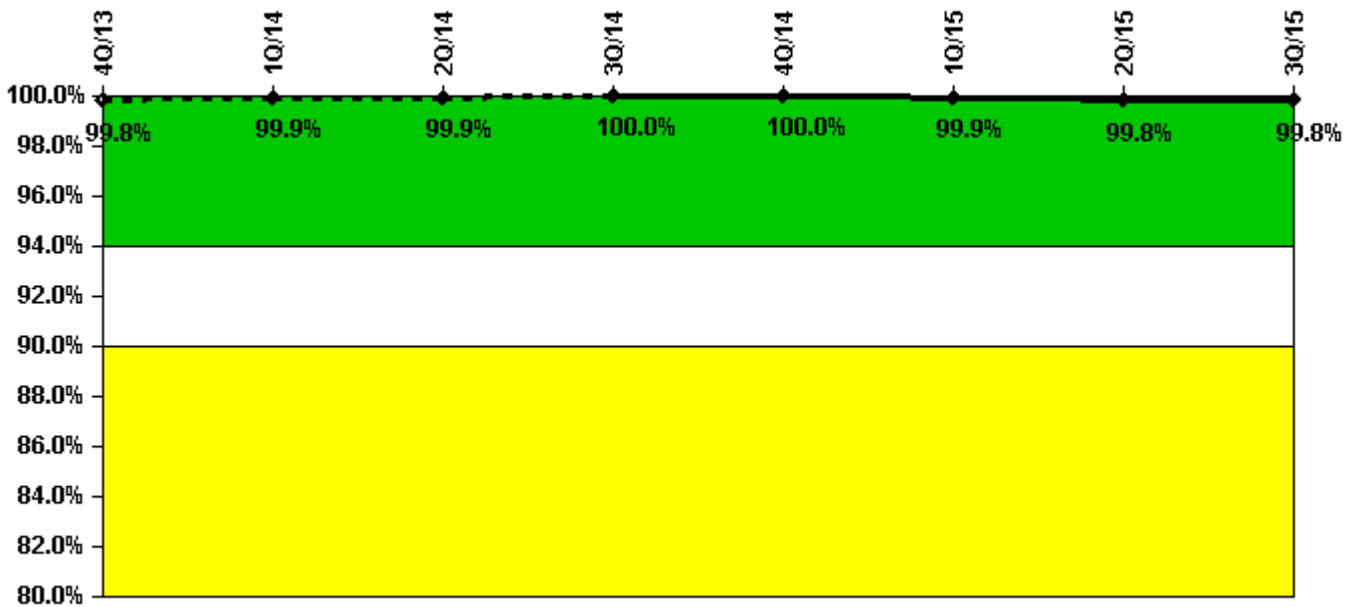
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	159.0	160.0	159.0	156.0	156.0	153.0	150.0	164.0
Total Key personnel	161.0	165.0	160.0	157.0	156.0	155.0	151.0	164.0
Indicator value	98.8%	97.0%	99.4%	99.4%	100.0%	98.7%	99.3%	100.0%

Licensee Comments: none

### Alert & Notification System



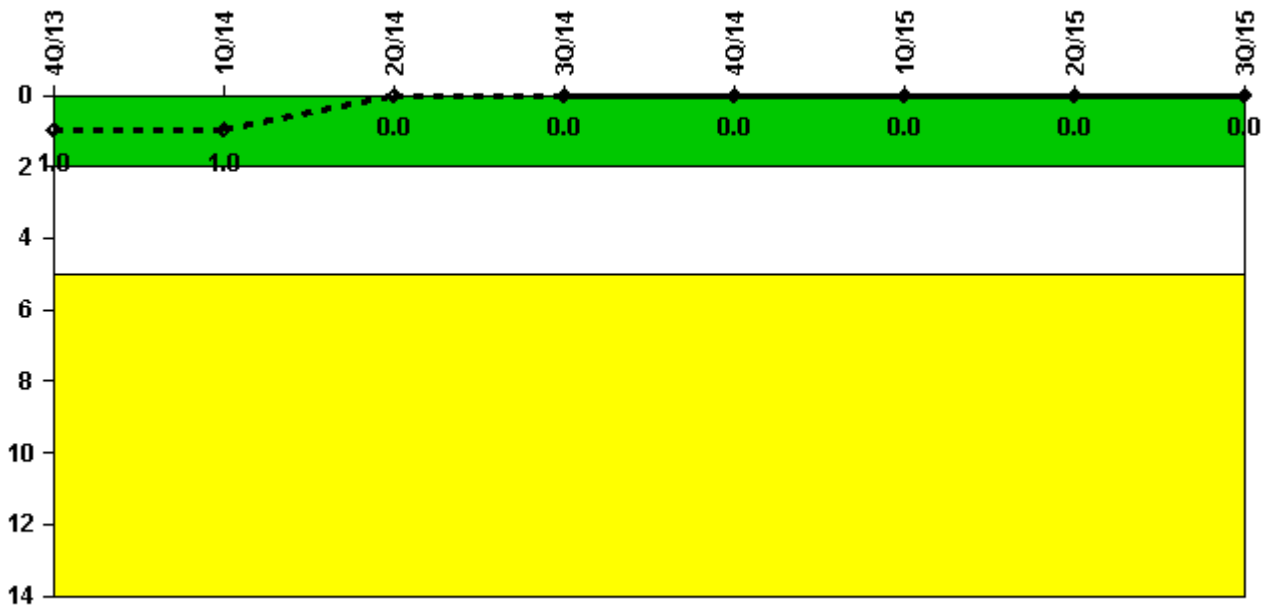
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	532	532	532	524	520	454	454	532
Total sirens-tests	532	532	532	524	520	456	456	532
Indicator value	99.8%	99.9%	99.9%	100.0%	100.0%	99.9%	99.8%	99.8%

Licensee Comments: none

### Occupational Exposure Control Effectiveness



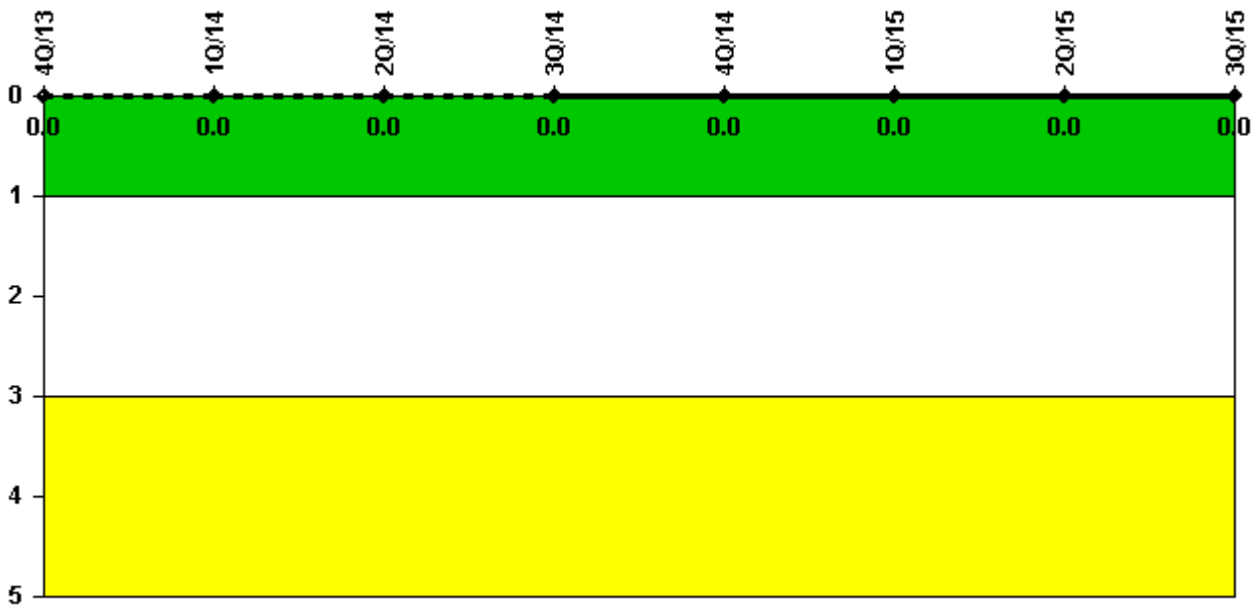
Thresholds: White > 2.0 Yellow > 5.0

#### Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.



▲ [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: December 15, 2015*